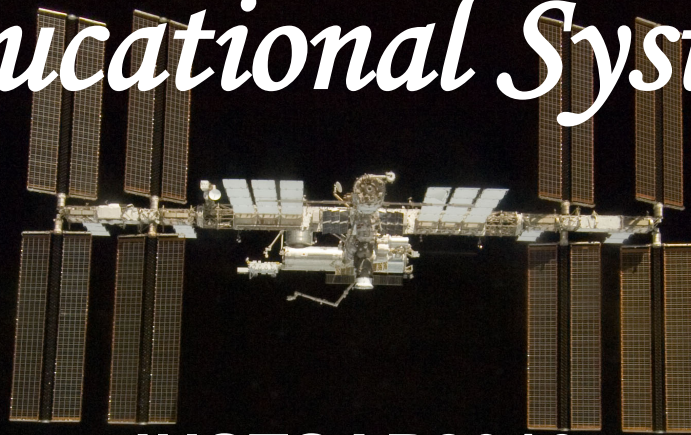


KIBO Hi-Vision EarthView Educational System



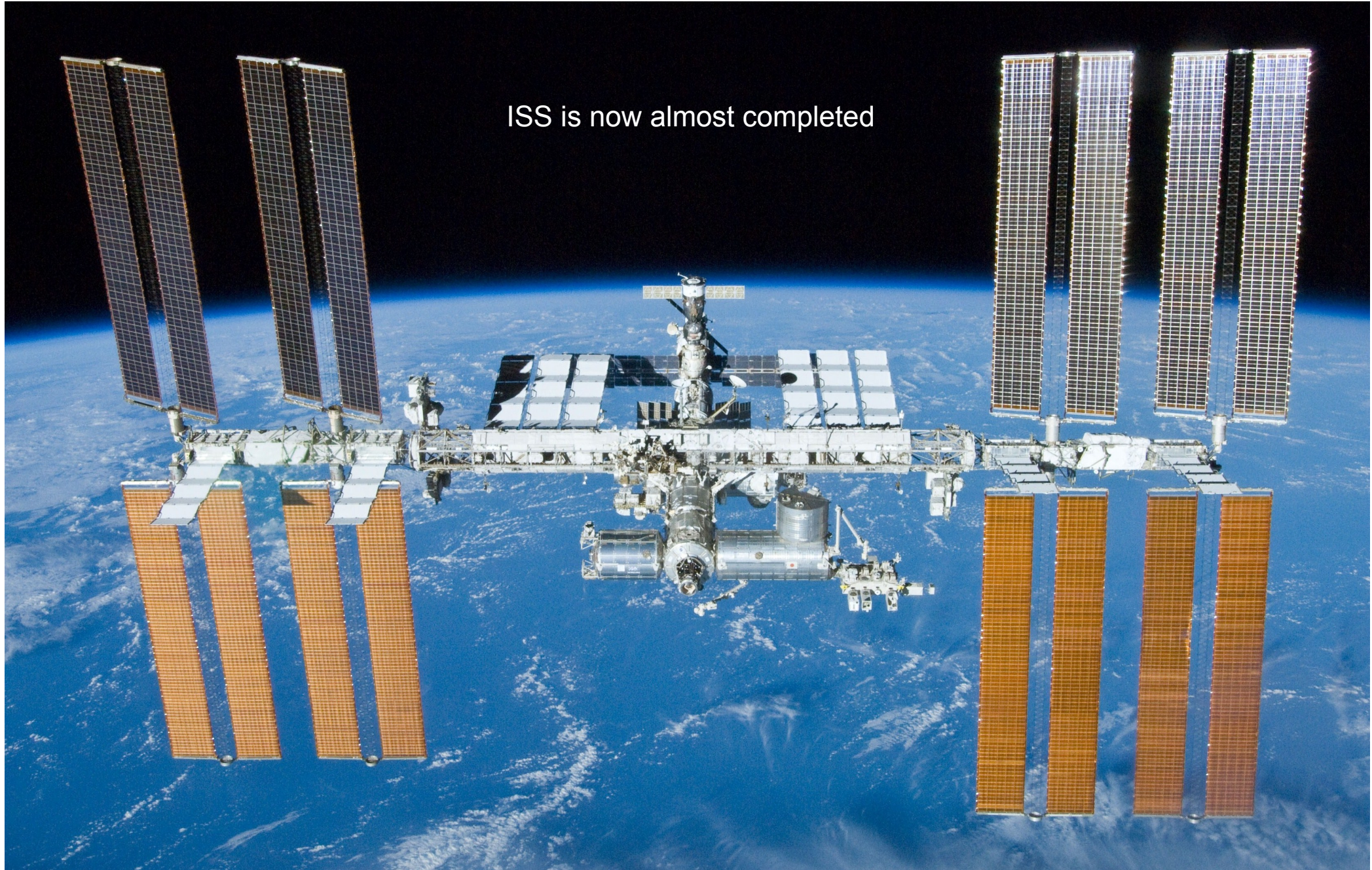
JUSTSAP2010

15 November, 2010

Susumu Yoshitomi

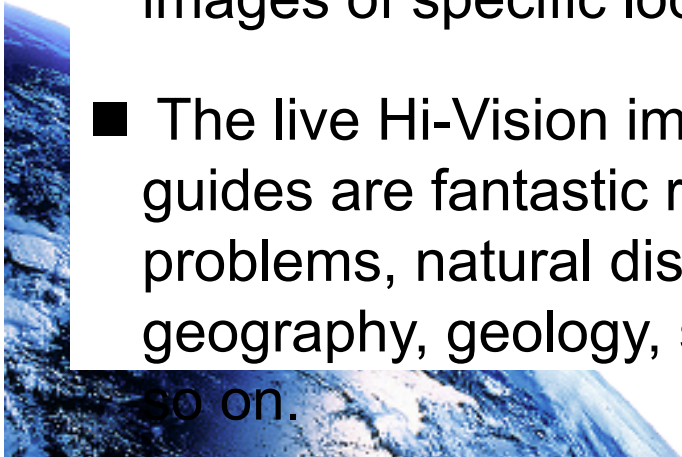


ISS is now almost completed

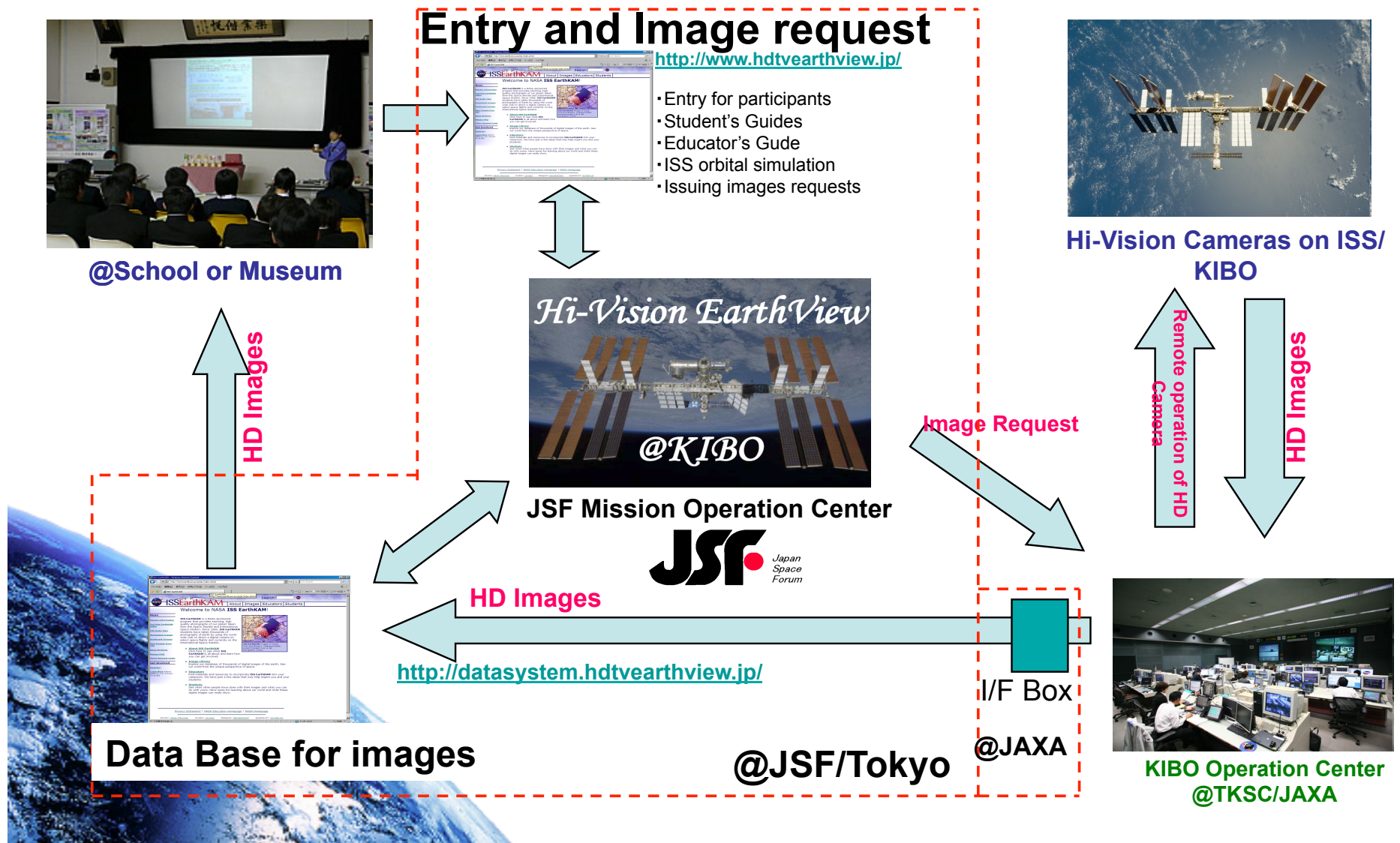


What is *KIBO Hi-Vision EarthView*

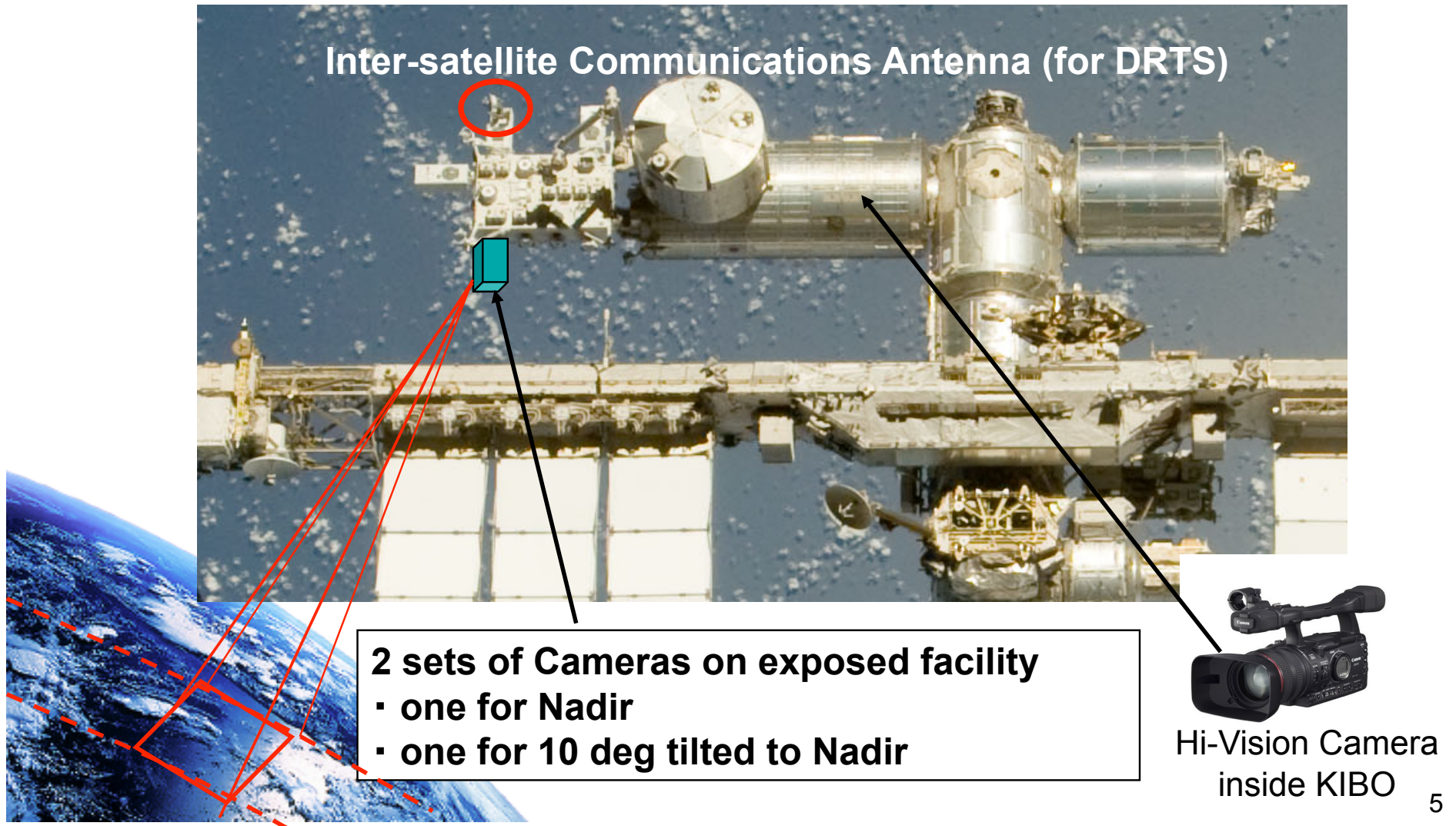
- “KIBO Hi-Vision EarthView” is a JSF lead Educational System enabling students, teachers, and the public to receive “live” high definition television (Hi-Vision) images from KIBO.
- We expect that Hi-Vision images will be distributed to young generations of not only Japan but also any other countries, especially Asian and Pacific Region countries.
- High school or Junior High school students request to take “live” images of specific locations around the world.
- The live Hi-Vision image viewing and accompanying learning guides are fantastic resources to study global environmental problems, natural disasters, Earth and space science, geography, geology, social study, culture, communications, and so on.

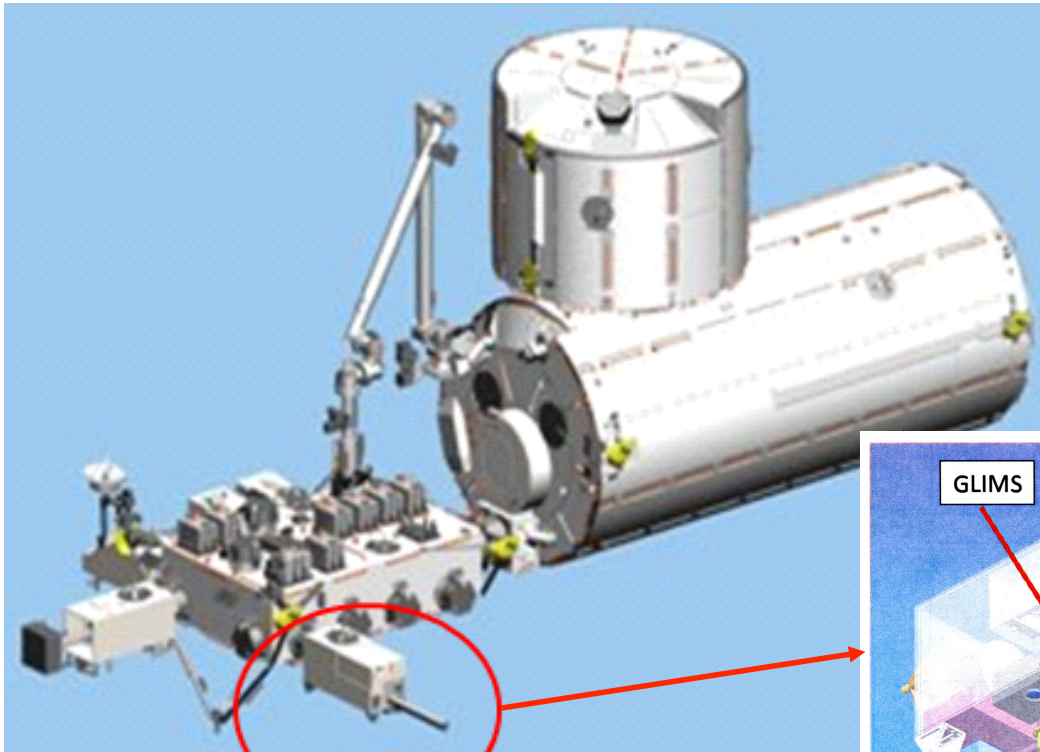


KIBO Hi-Vision EarthView System Overview

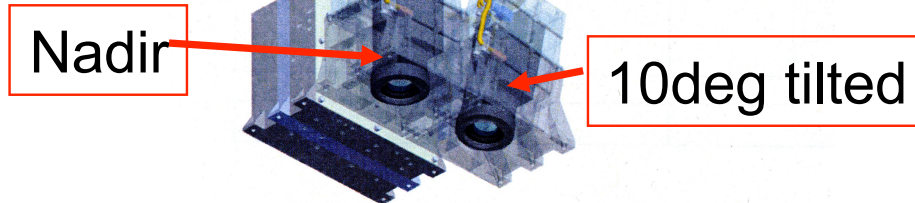
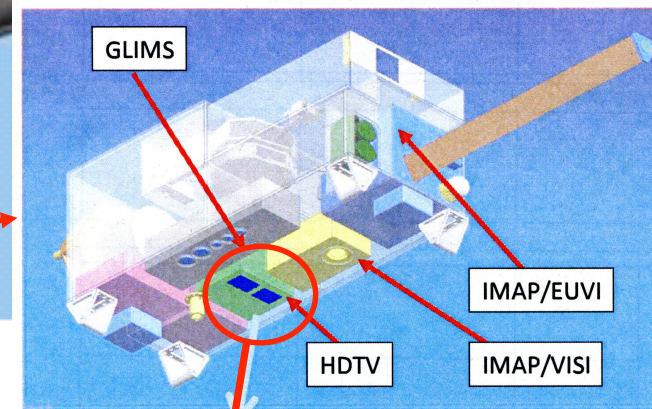


Location of Hi-Vision Cameras on KIBO

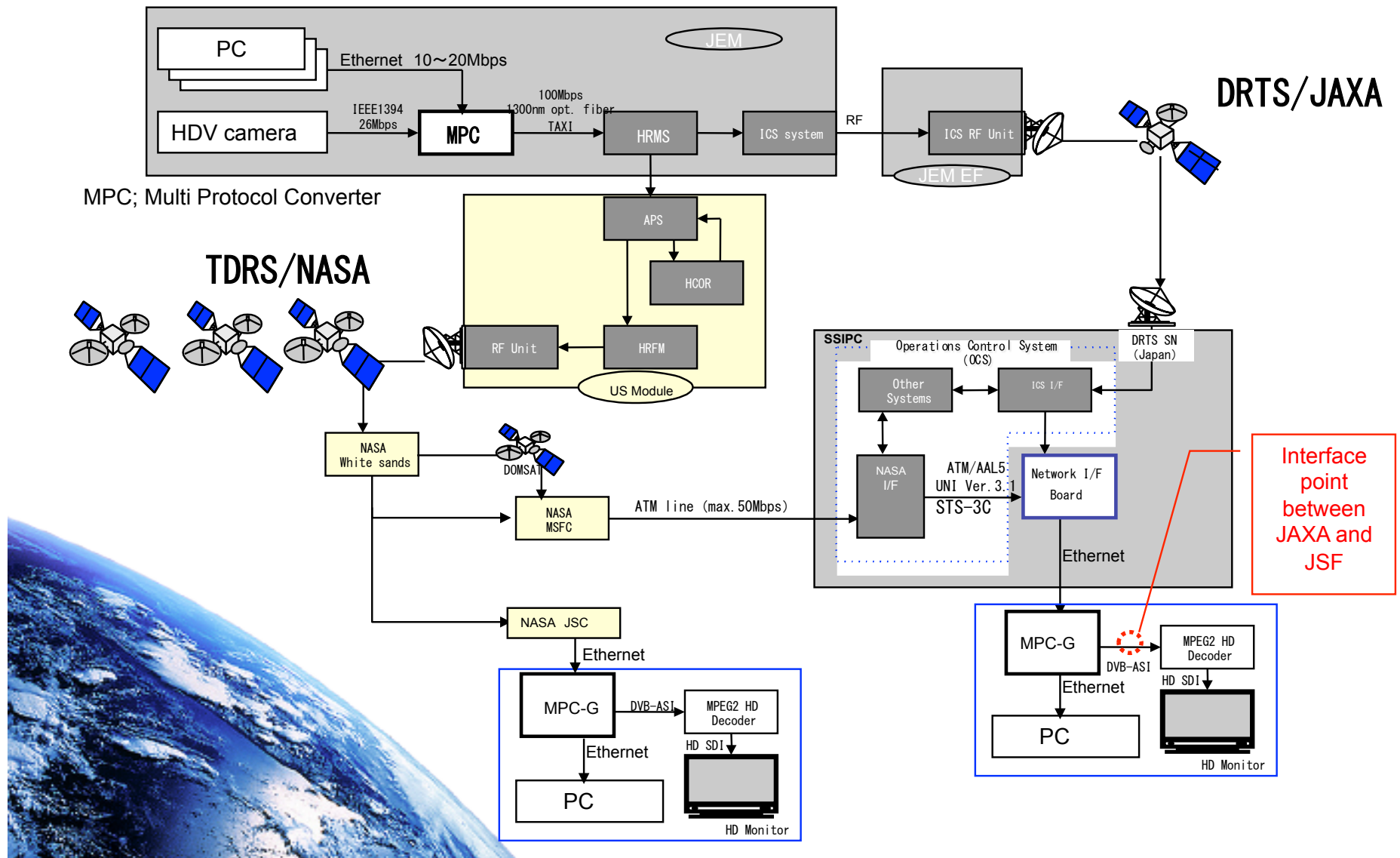


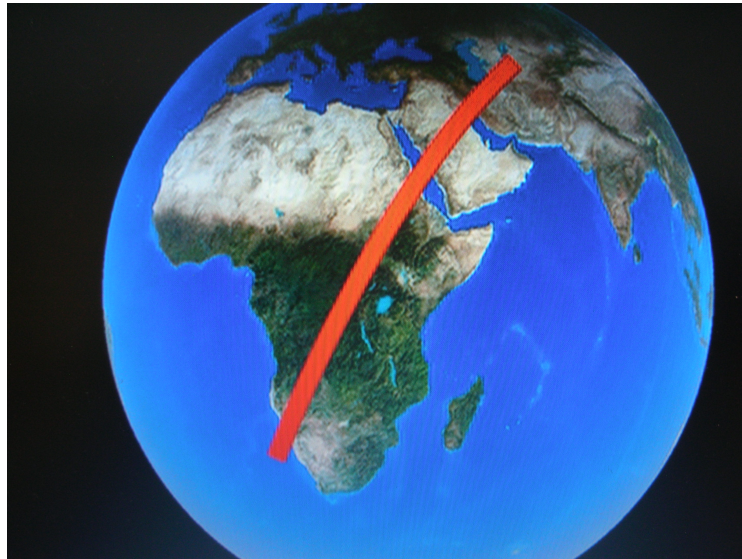


2 Hi-Vision cameras
are installed
in exposed payload

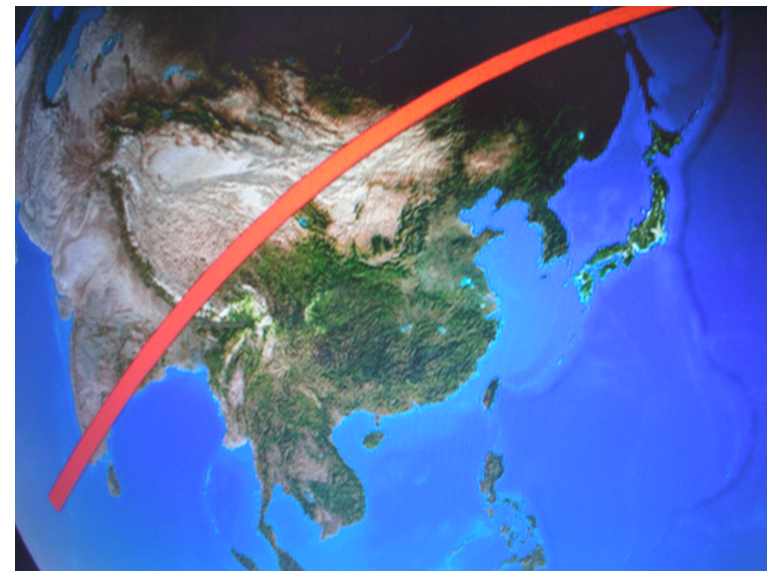
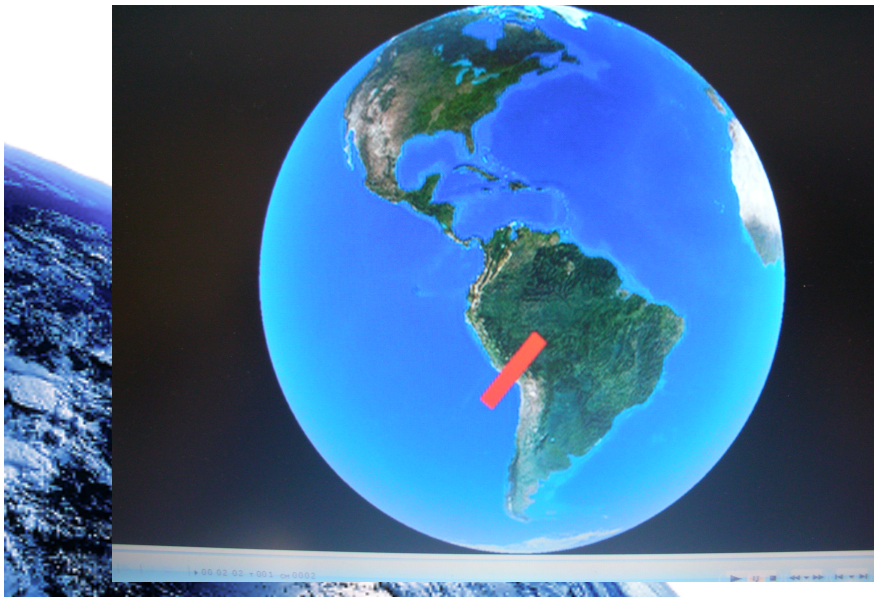


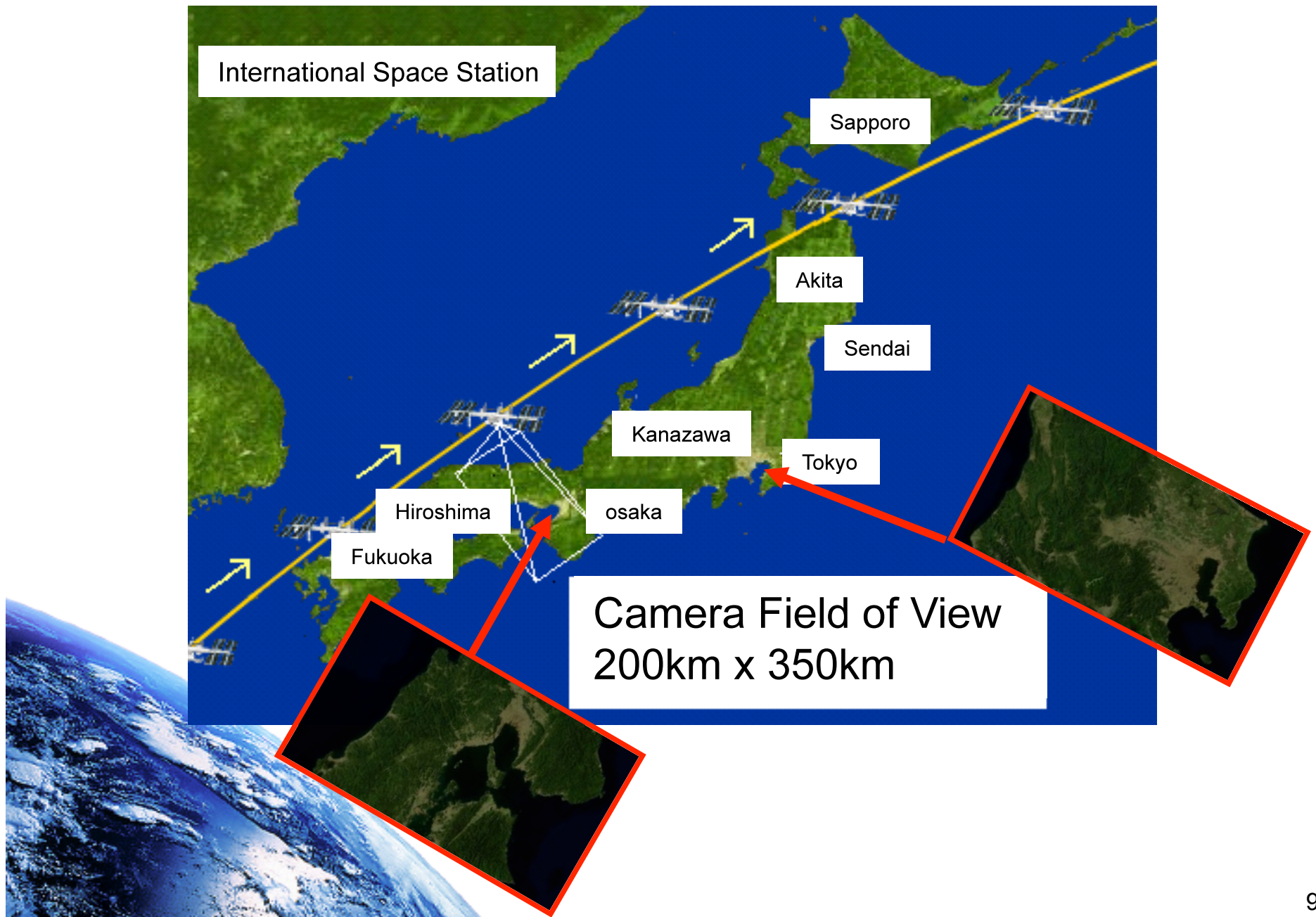
Hi-Vision images signal flow from ISS/KIBO to ground





Request taking target areas in any places around the world



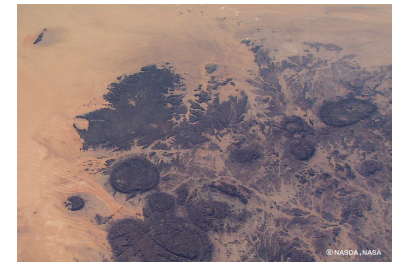


Possible Studies

With *KIBO Hi-Vision EarthView*, participating school students can...

- Share the excitement of a JAXA space mission
- Participate in real-time, cutting edge studies in many fields, including

- Earth Science
- Geology
- Physics
- Geography
- Climates changes
- Disaster management
- History (Space Archeology)
- ...and many more!



Student Participation in the ISS EarthKAM, 2001 - 2006

Table I. Student participation in the EarthKAM experiment on ISS, 2001–April 2006.

EarthKAM Session	Expedi- tion	No. Schools	No. Students	No. Photos	No. Countries	No. Schools per country															
						U.S.	Argentina	Australia	Belgium	Brazil	Canada	Chile	Germany	Italy	Japan	Mexico	New Zealand	Puerto Rico*	South Korea	Spain	United Kingdom
Oct 2001	3	18	1,134	557	1	18															
Feb 2002	4	26	1,638	809	1	26															
Mar 2002	4	21	1,323	422	1	21															
Nov 2002	5	10	630	866	2	9									1						
Jan 2003	6	27	1,701	753	3	25									1	1					
Apr 2003	6	69	4,347	696	5	65							1		1	1		1			
May 2003	6	27	1,701	1,832	2	25									2						
Jul 2003	7	10	630	791	2	8									2						
Nov 2003	8	46	2,898	627	2	45									1						
Jan 2004	8	58	4,111	867	4	53					1		1		2					1	
May 2004	9	39	4,148	1,101	5	34					1		1		2					1	
Jul 2004	9	27	214	719	5	23					1		1		1					1	
Oct 2004	10	45	3,405	958	5	41					1				1					1	1
Feb 2005	10	137	9,046	1,923	8	128					2		1	1	2	1		1		1	
Apr 2005	11	115	8,344	1,337	6	109	1				1				2					1	1
Jul 2005	11	45	1,923	968	4	41					2		1		1						
Oct 2005	12	119	9,451	1,660	6	112	1			1					3	1				1	
Feb 2006	12	118	9,004	1,974	9	108	1		1		1		2		2		1			1	1
Apr 2006	13	105	5,717	1,196	8	96	1	1			2		1		2				1		1
Total		1,062	65,648	20,056	16	987	4	1	1	1	11	1	9	1	26	4	1	2	1	8	4



Inspiring next generations through ISS/KIBO utilization



Mt. FUJI



ANDES



SCOTTSLAND

